

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
**WO 2005/058898 A2**

(51) International Patent Classification<sup>7</sup>: **C07D 473/00**,  
A61K 31/52

**DASTIDAR, Sunanda, Ghosh** [IN/IN]; B-138, Sarita  
Vihar, New Delhi, Delhi 110044 (IN).

(21) International Application Number:  
PCT/IB2004/004173

(74) Common Representative: **RANBAXY LABORATO-**  
**RIES LIMITED**; c/o DESHMUKH, Jay R., 600 College  
Road East, Suite 2100, Princeton, NJ 08540 (US).

(22) International Filing Date:  
16 December 2004 (16.12.2004)

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/529,824 16 December 2003 (16.12.2003) US

(71) Applicant (*for all designated States except US*): **RAN-**  
**BAXY LABORATORIES LIMITED** [IN/IN]; 19, Nehru  
Place, New Delhi, Delhi 110019 (IN).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **PALLE, Venkata,**  
**P.** [IN/IN]; D-011, Oakwood Estate, Akashneem Marg,  
DLF Phase II, Gurgaon, Haryana 122001 (IN). **BAL-**  
**ACHANDRAN, Sarala** [IN/IN]; A-6, National Institute  
of Immunology, Aruna Asif Ali Marg, New Delhi, Delhi  
110067 (IN). **SALMAN, Mohammad** [IN/IN]; P - 2/19,  
DLF City, Phase - II, Gurgaon, Haryana 122001 (IN).  
**KUKREJA, Gagan** [IN/IN]; LD-166, Pitampura, Delhi,  
Delhi 110088 (IN). **BAREGAMA, Lalit, Kumar** [IN/IN];  
Chyawan-Bhavan, Adarsh Nagar, Kapasan, Rajasthan  
312202 (IN). **RAY, Abhijit** [IN/IN]; Sector C-1, Flat  
No. 1408, Vasant Kunj, New Delhi, Delhi 110044 (IN).

(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished  
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: **PHOSPHODIESTERASE INHIBITORS**

(57) Abstract: The present invention relates to purine derivatives, which can be used as selective phosphodiesterase (PDE) type IV inhibitors. Compounds disclosed herein can be useful in the treatment of asthma, arthritis, bronchitis, chronic obstructive pulmonary disease (COPD), psoriasis, allergic rhinitis, shock, atopic dermatitis, Crohn's disease, adult respiratory distress syndrome (ARDS), eosinophilic granuloma, allergic conjunctivitis, osteoarthritis, ulcerative colitis and other inflammatory diseases especially in humans. Also provided are processes for the preparation of disclosed compounds, pharmaceutical composition containing the disclosed compounds and their use as selective phosphodiesterase (PDE) type IV inhibitors.



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